

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (canceled)

2. (currently amended) ~~The~~ An operation report creation system ~~according to claim 1, comprising:~~

CPU operation status obtaining means for obtaining, at a regular operation-status interval, an execution address at which a CPU is performing execution and for checking and recording a program identifier of a program in execution from the obtained execution address;

CPU operation time obtaining means for obtaining an operation time of the CPU during an operation period; and

operation report creation means outputting a value, obtained by multiplying a ratio of the total number of program identifiers for each program identifier or each group of the plurality of predetermined program identifiers to a total number of program identifiers recorded by said CPU operation status obtaining means for the predetermined period and the CPU operation time obtained by said CPU operation time obtaining means, as a CPU operation time required for execution of a program corresponding to the program identifier or of a program group corresponding to the plurality of predetermined program

identifiers;

wherein said CPU operation status obtaining means records a CPU operation status history record into a CPU operation status history file, said record being composed of at least the program identifier of the program and ~~a time~~ the operation-status interval between a time a previous execution address was obtained and a time a current execution address is obtained,

wherein said CPU operation time obtaining means obtains, at a regular operation-time interval, an operation time of the CPU during the operation-time interval and records a CPU operation time history record into a CPU operation time history file, said record being composed of at least the operation time of the CPU, and

wherein said operation report creation means reads the CPU operation time history record stored in said CPU operation time history file, cumulates the operation time of the CPU included in the CPU operation time history record to calculate the operation time of the CPU during the operation period, reads the CPU operation status history record stored in said CPU operation status history file, cumulates the ~~time interval~~ operation-status intervals included in the CPU operation status history record for each program identifier or each group of the plurality of predetermined program identifiers, and outputs a value, obtained by multiplying a ratio of the ~~time~~ operation-

status interval cumulated for each program identifier or each group of the plurality of predetermined program identifiers to a total of the ~~time~~ operation-status intervals recorded by said CPU operation status obtaining means during the predetermined period and the operation time of the CPU during the operation period, as a CPU operation time required for execution of a program corresponding to the program identifier or to a program group corresponding to the plurality of predetermined program identifiers.

3. (currently amended) The operation report creation system according to claim 2, further comprising:

a conversion table that indicates a relation between a total identifier which is a total unit for cumulating the ~~time~~ operation-status intervals and the program identifier; and

conversion table updating means for updating the conversion table,

wherein said operation report creation means cumulates the ~~time~~ operation-status interval for each total identifier stored in said conversion table.

4. (canceled)

5. (currently amended) ~~The~~ An operation report creation method ~~according to claim 4,~~ comprising:

a CPU operation status obtaining step for obtaining at a regular operation-status interval, by a computer, an execution address at which a CPU is performing execution and for checking

and recording a program identifier of a program in execution from the obtained execution address;

a CPU operation time obtaining step for obtaining, by said computer, an operation time of the CPU during an operation period; and

an operation report creation step for outputting a value, obtained by multiplying a ratio of the total number of program identifiers for each program identifier or each group of the plurality of predetermined program identifiers to a total number of program identifiers recorded by said CPU operation status obtaining step for the predetermined period and the CPU operation time obtained by said CPU operation time obtaining step, as a CPU operation time required for execution of a program corresponding to the program identifier or of a program group corresponding to the plurality of predetermined program identifiers;

wherein said CPU operation status obtaining step records a CPU operation status history record into a CPU operation status history file, said record being composed of at least the program identifier of the program and ~~a time~~ the operation-status interval between a time a previous execution address was obtained and a time a current execution address is obtained,

wherein said CPU operation time obtaining step obtains, at a regular operation-time interval, an operation time of the

CPU during the operation-time interval and records a CPU operation time history record into a CPU operation time history file, said record being composed of at least the operation time of the CPU, and

wherein said operation report creation step reads the CPU operation time history record stored in said CPU operation time history file, cumulates the operation time of the CPU included in the CPU operation time history record to calculate the operation time of the CPU during the operation period, reads the CPU operation status history record stored in said CPU operation status history file, cumulates the ~~time-interval~~ operation-status intervals included in the CPU operation status history record for each program identifier or each group of the plurality of predetermined program identifiers, and outputs a value, obtained by multiplying a ratio of the ~~time~~ operation-status interval cumulated for each program identifier or each group of the plurality of predetermined program identifiers to a total of the ~~time~~ operation-status intervals recorded by said CPU operation status obtaining step during the predetermined period and the operation time of the CPU during the operation period, as a CPU operation time required for execution of a program corresponding to the program identifier or to a program group corresponding to the plurality of predetermined program identifiers.

6. (currently amended) The operation report creation method according to claim 5, further comprising:

a conversion table updating step for updating, by said computer, a conversion table that indicates a relation between a total identifier which is a total unit for cumulating the ~~time~~ operation-status intervals and the program identifier,

wherein said operation report creation step cumulates the ~~time~~ operation-status interval for each total identifier stored in said conversion table.

7. (canceled)

8. (currently amended) ~~The A program implemented by electrical signals according to claim 7, comprising computer executable instructions stored on a computer readable medium, said instructions being executable by a computing device to perform:~~

a CPU operation status obtaining process for obtaining, at a regular operation-status interval, an execution address at which a CPU is performing execution and for checking and recording a program identifier of a program in execution from the obtained execution address;

a CPU operation time obtaining process for obtaining an operation time of the CPU during an operation period; and

an operation report creation process for outputting a value, obtained by multiplying a ratio of the total number of program identifiers for each program identifier or each group of

the plurality of predetermined program identifiers to a total number of program identifiers recorded by said CPU operation status obtaining process for the predetermined period and the CPU operation time obtained by said CPU operation time obtaining process, as a CPU operation time required for execution of a program corresponding to the program identifier or of a program group corresponding to the plurality of predetermined program identifiers;

wherein said CPU operation status obtaining process records a CPU operation status history record into a CPU operation status history file, said record being composed of at least the program identifier of the program and ~~a time~~ the operation-status interval between a time a previous execution address was obtained and a time a current execution address is obtained,

wherein said CPU operation time obtaining process obtains, at a regular operation-time interval, an operation time of the CPU during the operation-time interval and records a CPU operation time history record into a CPU operation time history file, said record being composed of at least the operation time of the CPU, and

wherein said operation report creation process reads the CPU operation time history record stored in said CPU operation time history file, cumulates the operation time of the

CPU included in the CPU operation time history record to calculate the operation time of the CPU during the operation period, reads the CPU operation status history record stored in said CPU operation status history file, cumulates the ~~time interval~~ operation-status intervals included in the CPU operation status history record for each program identifier or each group of the plurality of predetermined program identifiers, and outputs a value, obtained by multiplying a ratio of the ~~time operation-status~~ interval cumulated for each program identifier or each group of the plurality of predetermined program identifiers to a total of the ~~time~~ operation-status intervals recorded by said CPU operation status obtaining process during the predetermined period and the operation time of the CPU during the operation period, as a CPU operation time required for execution of a program corresponding to the program identifier or to a program group corresponding to the plurality of predetermined program identifiers.

9. (currently amended) The program ~~implemented by electrical signals~~ according to claim 8, further comprising:

a conversion table updating process for updating a conversion table that indicates a relation between a total identifier which is a total unit for cumulating the ~~time~~ operation-status intervals and the program identifier,

wherein said operation report creation process cumulates the ~~time~~ operation-status interval for each total



identifier stored in said conversion table.